Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/13/2018 11:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123004	-2	7.62	123066	7.63
Blue	F	SSC	125000	122083	-3	9.87	122943	9.94
Blue	E	FITC	15492	15190	-2	8.90 (1)	353	25.84
Blue	D	PE	28736	28055	-3	8.51	622	20.63
Blue	B	PerCP-Cy5-5	41413	41423	0	9.21	1133	26.69
Blue	A	PE-Cy7	31321	30974	-2	10.90	559	53.31
Red	C	APC	41673	41176	-2	5.19	1584	15.84
Red	A	APC-Cy7	29962	29332	-3	5.26	738	16.15
Violet	B	V450	8318	7848	-6	7.52 (2)	439	17.69
Violet	A	V500	34199	32415	-6	7.34	783	13.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20028	8.33	625	12	N/A	N/A	Pass
Blue	F	SSC	54962	8.96	596	28	N/A	N/A	Pass
Blue	E	FITC	57	83.63	574	13	0.0122	180	Pass
Blue	D	PE	121	69.66	573	13	0.0963	321	Pass
Blue	B	PerCP-Cy5-5	204	62.93	683	16	0.0059	40	Pass
Blue	A	PE-Cy7	102	137.67	738	16	0.0074	27	Pass
Red	C	APC	358	30.74	611	10	0.0135	0	Pass
Red	A	APC-Cy7	180	33.61	586	10	0.0035	340	Pass
Violet	B	V450	65	76.52	484	7	0.0262	1597	Pass
Violet	A	V500	111	41.96	502	8	0.0149	812	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.99	-32.17	1.05
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.47
Red	17.36	13.60 - 20.40	N/A	N/A	29.34	30.10	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11459

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments